

Title: Sustainable Development Planning for Eight Puerto Rico Municipalities

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Hazards Examined: Multi-Hazard

Study emphasis: **Please select all that apply:** Economic Development, Disaster Preparedness, Disaster Response and/or Disaster Reconstruction Application

Summary: This study involved the development of an integrated hazard assessment methodology that used a GIS-driven constraint analysis to evaluate multiple hazards. It employs a “vulnerability index” that relates the intensity of past damages to the reoccurrence interval for each hazard, then compares different hazards to create a composite hazard map. The integrated hazard assessment was then tied to a more traditional land suitability analysis to identify future growth areas, sensitive development areas where Best Management Practices (BMPs) should be implemented, and high hazard areas where intense development should be discouraged.

Vulnerability Indicators:

Data Requirements:

Output:

Results of Application at Case Study Site:

Lessons Learned:

URL(s) or bibliographical references to/for publications about your case study:

For more information on this case study, please contact the author.